

SEMINARS SEMINAIRES

Monday 17 October

EF SEMINAR

at 11.00 hrs – EF Conference Room
bldg 13, 2-005

The Charm-II detector

by Wilfrid FLEGEL / CERN-EP

The CHARM-II neutrino detector consists of a massive, fine-grained and low density electronic calorimeter, instrumented with streamer tubes and scintillators. It is followed by a muon spectrometer. We will sketch the physics aim of the experiment and will give details on the construction of the calorimeter, on running experience with the streamer tube system, and some results of calibration of the calorimeter in a test beam.

Monday 17 October

OPEN MEETING

at 14.00 hrs – DD Auditorium
bldg 31, 3-005

Computing for Engineering

A report is being prepared by computer users and DD Division entitled, 'Computing at CERN in the Nineties'. One chapter concerns Computing for Engineering. The draft of this chapter has now reached the stage where it is being opened for public comment. The draft may be viewed and printed on VM or the central VAX cluster by using the command DOCFIND CACIND ENGINEERING CSE. If such access is impossible for you, a paper copy may be obtained from David Jacobs / DD / 5030. You are invited to come and discuss the draft at this Open Meeting.

14.00	General introduction	D. Jacobs
14.15	Analog electronic CAE	G. Baribaud
14.45	Digital electronic CAE	L. Pregernig
15.15	Microprocessor support	F. Perriollat
15.45	Coffee break	
16.00	Database support	J. Schinzel
16.30	Mechanical CAE	C. Hauviller D. Jacobs
17.15	Field calculations	H. Umstaetter

The grouping of electronic subjects before coffee and mechanical ones after coffee should help people to plan their attendance for the aspects which interest them. In order to keep to the timetable, the chairman will cut discussions short if necessary. Further sub-meetings will be organized if this procedure results in major points being left undiscussed. You are of course at liberty to raise points at any time outside the meeting with any of the co-authors named in the

agenda above. Such contacts are especially welcome before the meeting in order to help prepare the discussions.

Tuesday 18 October

SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

1. Status report on the Emulsion experiments in ion beams (EMU 01-EMU 05, EMU 07, EMU 08) and on the Ion beam experiments WA86-WA88 and NA39-NA41 (I. Otterlund).
2. Study of beauty physics at the SPS collider with real-time use of silicon microvertex information (UC Los Angeles - Saclay collaboration; SPSC 88-33/P 238, P. Schlein).

Closed session

on Tuesday 18 October at 11.30 hrs,
Conference Room, 6th floor Administration
building (to be continued at 14.30 hrs and on
Wednesday 19 October at 09.00 hrs).

Mercredi 19 octobre

PRESENTATION TECHNIQUE

de 09.00 à 12 h et de 14.00 à 17.00 h –
Amphithéâtre LEP – bât. 30, 7e étage

Kontron Electronic SA (CH) propose :

09.00-12.00 Présentation des nouveautés du logiciel
Master Designer de P-CAD (USA) et
du PC KAT 386 de Kontron (D)

14.00-17.00 Réunion des utilisateurs de P-CAD.
Discussion.

Langue : français

Renseignements : M. Diraison / FI / 4585

Wednesday 19 October

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

QCD-enhancement of $|\Delta I| = \frac{1}{2}$ transitions

by A. PICH ZARDOYA / CERN-TH

The interplay of strong interactions in $\Delta S = 1$ non-leptonic weak transitions is analysed. In addition to the known short-distance enhancement present in the $|\Delta I| = \frac{1}{2}$ Wilson coefficients at the leading logarithmic approximation, it is found that high α_s corrections to the $|\Delta I| = \frac{1}{2}$ two-point functions show up at the next-to-leading order, with the appropriate sign to produce the phenomenologically required enhancement.

Wednesday 19 October*

EP SEMINAR

at 16.30 hrs – Auditorium

Search for exotic particles with UA2

by R. ANSARI / Orsay

Results of exotic particle search (supersymmetric particles, additional vector bosons, etc.) obtained with the UA2 detector will be presented. UA2 prospects and results from other $\bar{p}$ experiments will also be discussed.

* Please note unusual day!

Monday 24 & Tuesday 25 October

LEP EXPERIMENTS COMMITTEE

Open session

Monday 24 October at 09.15 hrs – Auditorium

Polarization at LEP

09.15 – 09.30 Introduction

09.30-10.30 Physics with polarized beams
(G. Altarelli)

10.30-11.00 Coffee break

11.00-11.45 Production of polarization in LEP
(J.P. Koutchouk)

11.45-12.30 Spin rotators and installation issues
(E. Keil)

12.30-12.45 Discussion

Lunch

14.15-15.15 Experiments with polarized beams
(D. Treille)

15.15-15.45 Polarimetry (G. Alexander)

15.45-16.00 Discussion

16.00-16.30 Tea break

16.30-17.00 Normalization studies (G. Coignet)

17.00-17.30 Summary and conclusions (A. Blondel)

17.30-18.00 Discussion

Open session

Tuesday 25 October at 09.00 hrs – Auditorium

09.00-09.15 Introductory remarks
(H. Schopper)

09.15-10.00 Status and commissioning of LEP
(E. Picasso)

10.00-10.30 Installation of experiments
(F. Bonaudi)

10.30-11.00 Coffee break

11.00-11.15 Status of SLC (R. Taylor)

Status of LEP Experiments

11.15-12.00 OPAL

12.00-12.45 L3

Lunch

14.00-14.45 ALEPH

14.45-15.30 DELPHI

Closed session

at 16.00 hrs – Conference Room, 6th floor, Administration Building to be continued on Wednesday 26 October at 09.00 hrs.

Monday 24 October

EF SEMINAR

at 11.00 hrs – EF Conference Room
bldg 13, 2-005

Scintillating fibres for particle tracking

by Heinrich LEUTZ / CERN-EF

A particle tracker based on scintillating plastic fibres will be introduced. Difficulties associated with the application of thin fibres (diameter < 100 μ m) for particle tracking will be discussed. Some results of optical measurements on scintillating bulk plastics and scintillating plastic fibres will be presented.

Monday 24 October

EP SEMINAR

at 16.30 hrs – Auditorium

Status of the SLD detector

by I. ABT / SLAC

An overview of the current status of the SLD detector is given. Special emphasis is put on the construction of the Liquid Argon Calorimeter and the electronics developed for the detector. A comparison with the LEP detectors is included. The future schedule for SLD construction will be outlined.

Tuesday 25 October

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Light quark spectroscopy, with LASS. A review

by David LEITH / SLAC

Wednesday 26 October

PS SEMINAR

at 11.00 hrs – PS Auditorium
bldg 6, 2-024

Towards an expert system for accelerator control and maintenance

by Claus R. ROEHLING / Rheinisch-Westfälische Technische Hochschule, Aachen

Wednesday 26 October***EP SEMINAR**

at 11.00 hrs – Auditorium

The status of the VENUS TRD

by M. SAKUDA / KEK

** Please note unusual day and time!*

Wednesday 26 October**COMPUTER SEMINAR**

at 16.00 hrs – Auditorium

Information infrastructure for the 21st century

by Vint CERF / Corporation for National
Research Initiatives, USA

Wednesday 26 October**DD SEMINAR**

at 14.00 hrs – DD Auditorium

bldg 31, 3-005

LPEX, a programmable structured editor

by M.F. COWLISHAW / IBM, UK

Thursday 27 October**CERN PARTICLE PHYSICS SEMINAR**

at 16.30 hrs – Auditorium

Results from the Fermilab collider

by Alan CLARK / FNAL

Friday 28 October**NOTIS USERS' MEETING**

at 10.00 hrs – Council Chamber

**MEETING ON FAST TRIGGERS,
SILICON DETECTORS AND VLSI**

To be held at CERN

22, 23 & 24 November 1988

Purpose	To review the state of the art and current trends in fast trigger systems, silicon detectors and VLSI.
Style of the meeting	The style of the meeting will be informal. There will be no charge for attendance and no registration. However, to help with practical arrangements, attendees should send their names via electronic mail to TRIGGER@CERNVM by 1 November. Talks will be by invitation only.
Organizing committee	R. K. Bock, F. Dydak, R. W. Dobinson (scientific secretary), C. Verkerk, H. Verweij, H. Wenninger and D. O. Williams. S. McCreadie (administrative secretary). All enquiries should be sent via e-mail.

**TRAINING AND
EDUCATION
ENSEIGNEMENT**

ENSEIGNEMENT GENERAL

Tél. 2844 - 5811

Jeudi 20 octobre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS